

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	@ad<"20020628" and (impedance near3 match\$3 near5 filter near5 between near5 switch\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/07 11:11
L2	42	@ad<"20020628" and (impedance near3 match\$3 near5 filter near5 switch\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/07 11:37
L3	38	2 not 1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/07 11:14
L4	14	3 and (band-pass bandpass (band adj pass))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/07 11:15
L13	3	@ad<"20020628" and ((pi adj filter) near5 match\$3 near5 impedance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/07 11:47
L15	4	@ad<"20020628" and (((pi adj filter) pi-filter) with (match\$3 near5 impedance))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/07 14:22
L16	26	@ad<"20020628" and (((pi adj filter) pi-filter) with switch\$3 with filter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/07 14:42
L17	0	16 and (impedance near3 match\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/07 14:23

## EAST Search History

L18	6	@ad<"20020628" and ((isolator circulator) near5 switch\$3) same multilayer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/07 14:43
L19	59	@ad<"20020628" and ((isolator circulator) near5 switch\$3) and multilayer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/07 14:46
L21	14	19 not optical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/07 14:46
L22	3	(US-5896562-\$ or US-5815804-\$ or US-6751471-\$).did.	USPAT	OR	ON	2007/12/07 16:18
L23	3	22 and (diode transistor mechanical)	USPAT	OR	ON	2007/12/07 16:19
S1	1	10/519172	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/25 10:35
S2	11	((("6091939") or ("6216012") or ("6397077") or ("6021318") or ("4212013")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/22 17:48
S3	1	S2 and insulat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/25 10:57
S4	19376	@ad<"20020628" and (switch\$3 with transmi\$5 with frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 16:22

## EAST Search History

S5	3165	S4 and ((band adj pass) bandpass band-pass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/25 10:59
S6	2412	S5 and amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/25 10:59
S7	1530	S6 and antenna	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/25 10:59
S8	137	S7 and insulat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 17:37
S9	15	S8 and (saw with filter\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/25 11:00
S10	65977	@ad<"20020628" and "455"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 10:09
S12	1011	S10 and ceramic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/25 11:17
S13	732	S12 and amplifier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/25 11:17

## EAST Search History

S14	410	S13 and ((band adj pass) bandpass band-pass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/25 11:18
S15	268	S14 and (switch\$3 same frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/25 11:19
S16	230	S15 and (transmi\$5 same receiv\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/25 11:19
S17	19	S16 and (multi-mode multi-band)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/25 11:42
S18	163	S10 and (saw same amplifier same ((band adj pass) bandpass band-pass BP))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/25 11:45
S19	111	S18 and switch\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/25 12:30
S20	53	S18 and (switch\$3 with transmi\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/25 13:30
S21	17	("5152005"   "5239689"   "5535432"   "5732330"   "5794302"   "5819161"   "5896562"   "5953641"   "5974305"   "6163710").PN. OR ("6269253").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/25 13:10

## EAST Search History

S23	19	S19 and (amplifier with db)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/25 13:46
S24	4	S9 and (amplifier with db) not S23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/25 13:46
S26	33	@ad<"20020628" and "455"/\$.ccls. and ((energy power) with amplifier with less with db)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 13:47
S27	11	@ad<"20020628" and "455"/\$.ccls. and (((energy power) with amplifier with less with db) same transmi\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/07 10:34
S28	1315	@ad<"20020628" and ((insulat\$3 isolat\$3) with transmi\$5 with receiv\$3) and ("455"/\$ "333"/\$). ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 16:23
S29	848	S28 and switch\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 16:24
S30	629	S29 and filter\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 16:25
S31	411	S30 and (amplif\$4 with transmi\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 16:25

## EAST Search History

S32	28	S31 and (multimode multi-mode multiband multi-band)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 16:49
S34	216	S31 and ((band-pass (band adj pass) bandpass bp) adj filter\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 16:50
S35	61	S34 and (circuit).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 16:50
S36	5	(US-20060116088-\$ or US-20030022638-\$).did. or (US-6269253-\$ or US-5896562-\$ or US-5903820-\$).did.	US-PGPUB; USPAT	OR	ON	2006/08/01 17:04
S37	2	S36 and saw	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:04
S38	5	(US-20060116088-\$ or US-20030022638-\$).did. or (US-5896562-\$ or US-5903820-\$ or US-6269253-\$).did.	US-PGPUB; USPAT	OR	ON	2006/08/02 16:05
S39	2	S38 and (switch\$3 with (MOSFET diode mechanical))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 16:10
S40	2	S38 and (impedance with (modify\$3 adjust\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 16:10
S41	1718	@ad<"20020628" and ((modify\$3 adjust\$3) with impedance with transmi\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 11:40

## EAST Search History

S42	147	S41 and "455"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 10:19
S44	119	Agahi-Kesheh	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 10:19
S45	2	S44 and transmitter.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 10:20
S46	4	S44 and (adjust\$3 with impedance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 10:21
S47	39	S42 and (switch\$3 same filter\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 10:21
S49	786	@ad<"20020628" and (adjust\$3 with (transmission adj line) with impedance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 10:37
S51	50	S49 and "455"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 10:39
S52	110	@ad<"20020628" and (insulator with transmitter with receiver)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 11:23

## EAST Search History

S53	13	S52 and "455"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 11:21
S55	146	@ad<"20020628" and (insulat\$3 with transmitter with between with receiver)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 11:29
S56	10	S55 and "455"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 11:23
S57	744	@ad<"20020628" and (insulat\$3 with transmi\$5 with between with receiv\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 11:29
S58	20	S57 and "455"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 11:29
S62	4	@ad<"20020628" and ((sheet adj metal) with (mount\$3 connect\$3) with filters)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/04 12:26
S64	2	("5815804").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/04 12:16
S66	101	@ad<"20020628" and "455"/\$.ccls. and (amplifi\$6 with less with db)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 12:27



## EAST Search History

S67	5	S66 and transceiver.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 12:28
S68	14	@ad<"20020628" and "455"/\$.ccls. and (impedance near5 adjust\$4) and ((bp band-pass bandpass (band adj pass)) adj filter) and amplifier and (((surface near2 wave) SAW) adj filter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 16:36
S69	51	@ad<"20020628" and "455"/\$.ccls. and (first with second with transmission with line) and (third with receiving with line)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 16:38
S70	0	@ad<"20020628" and "455"/\$.ccls. and (first near5 second near5 transmission near line) and (third near5 receiving near line)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 17:16
S71	23	("3656162"   "3699444"   "5054114"   "5117505"   "5140699"   "5148117"   "5152010"   "5170493"   "5428831").PN. OR ("5574978").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/22 16:54
S72	100	("4320531"   "4965852"   "5091919"   "5123031"   "5448762"   "5564076"   "5610559"   "5715525"   "5722053"   "5734970").PN. OR ("5896562"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/22 16:56
S73	0	@ad<"20020628" and "455"/\$.ccls. and ((two near2 transmission near (chains lines)) same (one near2 receiving near (chain line)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 17:18
S74	0	@ad<"20020628" and "455"/\$.ccls. and ((first near2 second near2 transmission near (chains lines)) same (third near2 receiving near (chain line)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 17:23

## EAST Search History

S75	483	@ad<"20020628" and "455"/76. ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 17:24
S76	483	@ad<"20020628" and "455"/76. ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 17:43
S77	7	S76 and (one adj receiving)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 17:38
S78	24	S76 and (((first near3 second) two) adj transmi\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 17:44
S79	21	((("4980660") or ("5915212") or ("6304748") or ("6091939") or ("6216012") or ("6397077") or ("6021318") or ("4212013") or ("20030076194") or ("6788957"))). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/22 17:49
S80	1	11/152956	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 18:08
S81	2	("20010050903").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/22 18:08
S82	1056	@ad<"20020628" and "455"/552. 1-553.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 13:49

## EAST Search History

S83	432	@ad<"20020628" and "455"/552.1-553.1.cor.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 14:49
S84	31	("5276914"   "5276917"   "5309502").PN. OR ("5422931").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/26 14:43
S85	49	S82 and (filter\$3 with both with bands)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 15:36
S86	23	S82 and (filter\$3 with both with (frequency adj bands))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 14:50
S87	14	S82 and (filter\$3 with (both near3 (frequency adj bands)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 14:50
S88	10	S82 and (isolator with (antenna switch))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 15:37
S89	5	S82 and (isolator near3 (antenna switch))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 16:55
S91	2	("6081172").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/26 17:13
S92	9	S82 and (((bandpass band-pass (band adj pass)) adj filter) near3 ((SAW (surface adj acoustic adj wave)) adj filter))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 18:13

## EAST Search History

S93	0	S92 and (isolator circulator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 17:26
S94	2	S92 and (ceramic adj filter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 17:26
S95	6	S82 and (switch\$3 near5 circulator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 18:13